

In the Claims

Please amend claims 18-33 as follows:

1-17. (Withdrawn)

18. (Currently amended) A dynamically self-bootstrapping computing device comprising:

addressing means **at the computing device** for self-assigning an address for the computing device on an ad hoc network by selecting an address from a reserved range of addresses, pinging the selected address on the ad hoc network, and absent response to said pinging assigning the selected address to the computing device;

announcing means **at the computing device** for multi-casting an announcement message on a multi-cast communications channel of the ad hoc network informing of the computing device's assigned address;

discovery means **at the computing device** for listening on the multi-cast communications channel of the ad hoc network for a discovery message sent from a discovery client inquiring for a device type of the computing device;

discovery response means **at the computing device** for sending a response message responsive to the discovery message identifying the computing device; and

description means **at the computing device** responsive to a description request received by the computing device on the ad hoc network for sending a **peer-accessible** description message **dynamically** defining interaction via data messaging with the computing device to remotely operate the computing device over the ad hoc network.

19. (Original) The dynamically self-bootstrapping computing device of claim 18 wherein the description message further contains presentation data defining a user interface for remote presenting on another computing device for remotely operating the computing device over the ad hoc network.

20. (Original) The dynamically self-bootstrapping computing device of claim 19 wherein the description message further contains a link to style sheet data for defining separate views of the presentation data on said other computing device.

21. (Original) The dynamically self-bootstrapping computing device of claim 18 wherein the description message is formatted according to a mark-up language.
22. (Original) The dynamically self-bootstrapping computing device of claim 18 wherein the response message comprises a link to the description message.
23. (Original) The dynamically self-bootstrapping computing device of claim 18 wherein the response message comprises a device type identifier of the computing device.
24. (Original) The dynamically self-bootstrapping computing device of claim 18 wherein the computing device has a predetermined name, and the announcement message contains the predetermined name.
25. (Currently amended) A method of dynamically configuring a computing device, comprising:
- self-assigning an address for the computing device on an ad hoc network by selecting an address from a reserved range of addresses, pinging the selected address on the ad hoc network, and absent response to said pinging assigning the selected address to the computing device;
 - announcing on a multi-cast communications channel of the ad hoc network the computing device's assigned address;
 - listening at the computing device on the multi-cast communications channel of the ad hoc network for a discovery message inquiring for a device type of the computing device;
 - sending a response message responsive from the computing device to the discovery message identifying the device type of the computing device; ~~and~~
 - receiving a description request message at the computing device responsive to the response message; and

responding from the computing device to the description request message by sending a peer-accessible description message dynamically defining interaction with the computing device to control operational functions of the computing device over the ad hoc network.

26. (Previously presented) The method of claim 25, further comprising terminating the interaction with the computing device to control operational function of the computing device.

27. (Previously presented) The method of claim 25 wherein the description message further contains presentation data defining a user interface for remote presenting on another computing device for remotely operating the computing device over the ad hoc network.

28. (Previously presented) The method of claim 27 wherein the description message further comprises a link to style sheet data for defining separate views of the presentation data on said other computing device.

29. (Previously presented) The method of claim 25 wherein the description message is formatted according to a mark-up language.

30. (Previously presented) The method of claim 25 wherein the response message comprises a link to the description message.

31. (Previously presented) The method of claim 25 wherein the computing device has a predetermined name, and the announcement message contains the predetermined name.

32. (Previously presented) The method of claim 25, wherein sending a response message responsive to the discovery message further comprises identifying the address assigned to the computing device.

33. (Previously presented) The method of claim 32, further comprising specifying a device-specific protocol of data messages for interacting with the computing device.

34. (New) The dynamically self-bootstrapping computing device of claim 18, wherein the description message defining interaction identifies a protocol to interact with the computing device and defines a data packet to exchange control information

35. (New) The method of claim 25, wherein the description message defining interaction identifies a protocol to interact with the computing device and defines a data packet to exchange control information.